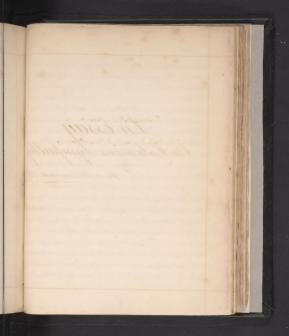
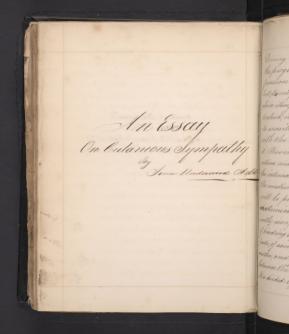
Cutaneous Sympathy mas Underwood admitted March 24th 1021 ones historicos





During the revolutions which how marked the progress of medical seiner, the wordong function of the skin has not been overlooked, but tigorily until within a few years, that the skin itself has received that degree of attention, to which, its minute and complex structure, its semilitily and intimate sympathy with the various internal organs militles it. Previously to considering the associated actions maintained between the skin and Asta the internal organs, and their connexion the the medicion of the mucies membrane, it will be proper to present a brief view of the sixtomical structure of the skin. This applie worth simple covelope, serves the sweed huchoses of binding together and of protecting the internal harts, of exceeding a large quantity of hushwalory maller, and of establishing an intimate relation between the living system and internal substances It is divided by anatomists into three distinct layers

und the . whose eas mufact ,

the principle of which constituting the chief bulk of the dein, is the cultis vera. This is a compact and strong mudar line, composed of a firm fibrous substance, with numerous vaccities or intervals. On its external unface, it is close and compact resembling the most volimity of a moon beans, but on its opposite surface, where the fibrous portion is blanded with subjosent cellular substance, the texture is more losse and the enclar are larger. Men immuned in water it becomes rofter by a seperation of its fibres, and its intowals are rendered more distinct Examined in this state, the assolar are found to punchate its whole thickness, and to serve for the purpose of transmitting to the surface The hairs, exhalents and absorbents. The accolor tissue of the cuties vera is premeated by countless myriads of articial and venous ramifications, whose capillary divisions occupy the external or compact surface of this part, and form a vaccular network over the whole body. This is rendared obvious in

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the glow of senouse and the flesh of share; in the weitiment of fever and in the neepline stage of Exanthematous diseases; when this part business surcharged with blood . This may also be proved post mortion by the injection of coloured fluids . These vacuular ramifications are found to be particularly numerous in those parts, which possess most exquisite sinsibility. The absorbants of the skin are nearly iqual in number to its bloodvessels, and memuous nerves onter it in all its parts, distributing their larger ramifications in situations occupied by the popullar. The cuticle, the websier layer of the integurments, is the thin transparent pellicle, which is raised by a blister In its natural state, it adheres about inesparably to the subjacent parts of presents no traces of fibres, laminae or cells, and in it, we can discover neither bloodvessels, absorberets nor nerves. It is perforated by hairs, by the exceeding tubes of the cutameous follicles, by the exhalant mouths of the capillary vessels, and probe bly in some parts by absorbant orifices. It is invensible

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and supround imapable of suferming and weld astrons, and has been unbratually, denominated varaance and extruscoular. The internal covering of the to would be nee which to be but a soul numberane want so a protection to the finely organized and delicate harts beneath, and as an insensible medium for the communication of vators al impressions; for we find if this hart be thickened Insternationally, that someation is in a great measure destroyed, and if it be removed, the rentact of bodies gives frain and does not in bart the appropriate interession of louch. The remaining hortion of the skin may be regarded wa delicate straterm interfered between the hearts riverely described, and is demoninated not me our it has sound to nome from the reflectes 1, it tooline and its nothice appearance, which in Involved by the renderation of hair babullar and office waste oming to thereusface. It is the at of all to variety of orlows which has how rederined in



no income I read the ever porcelled in one wend rand may be recorded as the consisting limit of the body. Placed at the extremity of its organs one santly coposed to external influence it forms me qual remusion between armal ressence and command chiesto " ... linday anatoment vine it is obvious that the skin is adalled to halet on In it, are refresented the news or teries viens and absorbends orbicially the sabillary nation. a vescular system, which is so essentially concerned in all the welat functions. I shall next point out e symbothiso, this hart with some of the ceremit rearie. The ent about sentenally presents itself to our situe is that which excise vaiveen the stron and the lungs denominated we most superfluous; but as it is the convered



west similare on the artie on the mounich of december is also charens unsertunice ander Si mondine l'aginere is me date of the since . we are to the surstone remine to the cuffer and harrows of the a trade recording of in United States well in containtin whater is the buth of this hosten. In the waters withou where we have next and medition ususiluaes, with much mosture we dind all the forms of pulmonic disease, how imminating and insvaling to a vere sout wient . I in medicale cours to a then · cisseder are still sudden and considerable na ine moisture is also qual, but where they to not obtain to the same extent there is a considerable de crease of bulmone desease and i reportional increase of rhoumatic dietons In the southern date where hier changes are less frequest and the country is in a great measure

, the " die 1' the he in · leaven

with and war our wind in more or and closed and the ar and hour arms I know a come plans Andrew Course on all he account from of muches decrees. Their interme of the Insteel Hales have been embhatically demoisinated the Pulmmic Memmatic and Beliow restion & the Mantie states " into of luminosture in the Relmonie exstant through the medicion I'me were moto insuente to the hors, a derived from daile observation any . in me du by and referenced. It a bound by the James Tolomon that on immersing the besty in water wien the amparature of the skin the essels on the unface are drunk loo pid and the blood is decomme ed to the interior. At this moment a winfullet. " torpor takes place in the capillary rearels of the lungs, so that the blood is with difficulty branemitted Mist Ham occasioning that Fin imaca or handing for breath which we at worse in all but more particularly in delicate person

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at the moment of immersion. But here reaction non takes stare The ballance of the corculation is restored and the function of the skow are ar newes with increased activity, rescueded by exhiberation of Shirils and renovaled ourgy But should there have been presidently to ime morsion exercise sufficient to enduce fatigue as rances of perspiration to weaken the extreme vesseis on the senface then the torper of the welnome nessels of the Arm cound be proporty werrome by reaction; the ballance of the circulation is not completely restired, and the lung, or other internal organs are injured, attended with more or less bever according to the force of the oberating cause Whe sympathy I am contending for exercises necessas additional support from the fact, that no means have get been descovered, is invariable successfull is in the cure of Anomic Pulmoser disease, as

moune ung who have be mjalia · unitar and to

application of nonconstrutors to the surface of the body. In a great momber of cases, I have use plansel presarbed to be ever med the In me week in merenerow stight was her found stoon and ity sufficient for the cure, and in all eases a highly wastedle accuriones. ..... proof, in support of thes sy pully, man be drawn from the enormous waste of life which derneal viciositudes occusion by opera long whom the delacate lungs of famales through the medicine of within this would , row their prequent expressore to the chilly dannes of night after the perfectory werels have been overexcited in arounded cooms on Jaleous has been indused by the · otherstwe exertions of the dance The Culano Gastrie · surmather or its mance imports, in the association of noteen tole in the skew and the sumach a nes oums other

the line state of many , muden 1. Him .. delucro, 300 41 11 11 who men

as been burlindarly observed and described in bullen in his composition of the processed. wwes and phenomina of fever. He remark That from many commentances it is my "iciently contain, that there is a consent" between the stomach and the surface of the body; Mal this unsent particularly appears, from the consecret believe the states of perspiration and the duty of the oppiele in healthy persons, mai con, of wird to the our une . The body where il down not step perfundien, promo o Ameritan to the sur'an and wa a por equit means of exerting appelile Who button there in allibertes the more sea, muse, and versiling, which occur in fabrile affectionis to this cause ; and in support of this doctore address the fact estated by Mudenham in his description of Plane, in which remiting could only be allayed by exciting the surface so as to

Mustrates cotion : proporte. shoes are although. in food a all their it ties . steet france sulled in the same is in Bus voce most cons.

moderes horstomatical he symmathe w further illustrated by the forequent recurrence of hains in the stomach and indigestion from the about a tion of rold and moistine to the 'est . There are for who kace not suffered more or loss from this caux Delivate Somales with light down and thin shoes me particularly characious to it . Home, although they are infinitely more lenguente in food and drank than men, yet they are more subject to Cardialgia Glatulance and All that lovin of destreasing synthoms, which vrive from a devardened date of the stornact " woust, intreesed one the late In thesi oth the belief that unevere deserves origin det from this course that he confihationly called the feet the high road to disease, But the impression which some medicines evedentes make when the saw in a very short time after their reception into the stomach, affords the most cemarkable tros ! of this consumicing

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and near of wheat of Fore , with and not through the medium of the reventation . . I have seen mitrous houndars in a guarder of an hour convert a bot careher tim into a horofice mina one . The next according I the thin with the wines o come wine he I shall water in that which winds to leaves it and the interlines denom mater tintano Intestinal my mingley . How is correct very cause of functional disorder in the intestines, so common as that resulting from extern at infressions on the skin. Suppressed pershies tion and cold or moisture applied to the feat, Jacquently inderse Dearches & habe and a highly dangarous state of Enterities is for quentles brought on by structhernal verision tudes or cold applied to the skew during or such . request to a state of herry valion The milder forms of Dyoentery are med with in must Slaces, but in Scouled redges of low districts of country or which march officies and

me de the some wietle -" what

unequent revisited an resultand, this dienese frequentes assume un obuinate una sailed went were, which are site it as mouth were alsomered as those that welleries, usuk ravage our laren ation The unitar low will be rendered more sides and from reserving the and while afreded in intern historiem and other sin moder durant of the intertines by dechang color water on the live down thinks on from Mandena out law jul in set with brownends who butane hound con father a fent connection which were between the skin and the hidneys and or chiefly discours of consideration in account of his measures reliens if there means during a state of health Inea sumia, he nowener should not be in want of a descense for we find that calculant offeelions as also they divers to in which the ked sup an consumer are writated and moreness to watering to cole and

were for a. . 1. ma trees

warmedees have been so effectuate as the warm bath. The last windrather which it hall within is that which wints between the vine and liver, ralled the Culano Hekatic oumha the . Then was sistemally adiese and indice come describer by the telemon in his naturable work on the diseases of tospical dimater It was by attentively observing deseases in those districts of country where beliate affections are most abundant, that he was led Too. went the my intende atalom which wrote Estiveen the functions of the skin and those, a the liver. It is a well known fact, that, in tropieses timales and in the hot season of more lemperate regions when perspiration is abundant, beliance on live after in seed and that checker new contiers is always, attended with a come ind no dimenution of heavy servetion think dearce " lun esstare by augmenting the

to it has

cutaneous and biliary secution debilitates the versels by which these precesses are men or and home truly are to now a ... wir hall which he his application of cold . . wraingly en Sund Hochatiles chation Markers de la inevail en hat demales, and a eng the hot reason in more temperale regions and also to occur ouring the the winds venion when the absence here is consed wally realer than that; the breeding day into a une . the the sken with me internal organi. The at & the and we and the unperlant indien was whech my went out in the one of diseases our not our overinked but the mode of their production to the december manufacter done legend in any human research but by see me pasarista a all rom the man du Indicerment it is stren of the term in he By A have been most to dende, not only the recorded relien & tale between which a

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and own wer in analomical almition, in is bearing in and of Lie in with wine 1. wat restricted words. Then reversey there our better of the styre with his internal so arms there I me success dance when I are milet so with the idea of a connection in suplement From to warter in somet, Ni the different rescesa which have been ind rated a whould den, are lined by a devel potention soon the regan. The xereous menterene house from A lecome no Sichal dem reguently dementiable, the extenses our succes survey notty. The lungs are surfaces and his rising menter give is in a control reface of the facces much down not the lacuno and trachia and a nume into its browthen

By may 1. EB 11111 the wier dien smerine . /

in one muceus real of the dundenson is on 'energy with through the duties commence investories tolk into the gall bladder and the rove biliarie. In like manner the mucous men brane houses the the senters ist the infundibuline and tubuli unividere of the hidreys. This montour thouse madefied in its structure not hundrone nevering to the unwriting of the hunds, to which it is approprieted will bresseurs, in it's remotest hossages, the general characteristics of the stine, with the weatition of the beculiar higmention nigrum which umbeded in the rete mercoren of the external thing horderes the amilion . clear in the homowinend culate. The Camina of both systems are warlly analo -gous As the cutile sends down it's vagenal Irocesses through the glandular follieles of the skin , so the of thelion of the mucous linus

1.2'10 100 The inne wiere ve wester inch seems

gives a corres fronting linens through all the hollow passages. The varieties leaven, tomornibed by Saunage win in unface of the autis is asserted by Bichal to with between the corrisponding laminas of the whole muscus insubrane In both tissues the word and names me found to variety in exact similarly its the . him by its nervous hapillae takes engineence of retirnal bodies in touch so the analogous terminasions of the newcour genrils in the different hextense the interior membrane consecutive inverserence 3 said and odoriferous hasticles to the mind to the hersinatory fluid is senered on the notional our ace and performs the office of maintaining the useredid functions in winder for many selle muren With sear stive their surfaces, heef up ne venticat motions peculiar to each organ. He is & general law of the animal occoming too well known to need much elucidation, that each system of parts is notwally dishould

to what in the same state of energy and excite most. Thus an initation in any part of the articles system, though at first only the neighbouring tubes may be distal, eventually produces the same degree of action throughout the whole enculations It is the struggle to accomplish this and which creates the inflammatory and sympathetic fever of wounds &c. In the alimentary chnal, this law is however most remarkably illustrated Some purgatives introduced into the stomach excite a general wacuation of the large intestines long before they can travel beyond the pylones. In initation in the fauces or resofthagues with inverted motions for its discharge; and often the stomach joins in the same action. Indoloret homorrhoidal turious, and hard bodies in the rectum have been known to her duce yever intestinal desangement, and many obstinate Dyspersias have desended

spon the into the shower to there you the same consider all the

whom the existence of fitulus in ane. North when we recollect, that the skin extends itself into the mucous membrane, and this forms the internal secreting surface of all those organs, which communicate with it by the internal whorteres, it will not appear more astonishing that these viscees which I have shown to be sympathetically with this entersive tissue, should show the same disposition to impression made whom one part of its surface and producing a consequent action there the whole organ wants itself to has monine in the same motions: and thus Junations, which at first sight might be supposed widely diverse are aperating under The same excitement, and may surely be considered as subject to the general law which I have mentioned as influencing all the other systems

J. Underwood. No 266 archi

